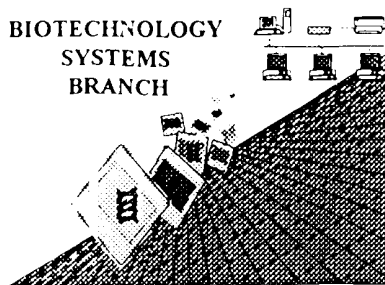


#10

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09 850 982

Source: O I P E

Date Processed by STIC: 8/06/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

**Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

## RAW SEQUENCE LISTING

DATE: 08/06/2001

PATENT APPLICATION: US/09/850,982

TIME: 15:40:07

Input Set : A:\882565-4025.ST25.txt

Output Set: N:\CRF3\08062001\I850982.raw

Does Not Comply  
Corrected Diskette Needed

pg 3-4

```

3 <110> APPLICANT: Nestec S.A.
5 <120> TITLE OF INVENTION: COFFEE MANNANASE
7 <130> FILE REFERENCE: 88265-4025
9 <140> CURRENT APPLICATION NUMBER: 09/850,982
10 <141> CURRENT FILING DATE: 2001-05-08
12 <160> NUMBER OF SEQ ID NOS: 12
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1613
18 <212> TYPE: DNA
19 <213> ORGANISM: Aspergillus niger
21 <400> SEQUENCE: 1
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24 tgtgatcatc gtcttatccc tgcattgcga aaatcatata gtttcttctt ctgcttcgcg      120
26 ctttattcaa acaagaggaa cccgattcgt gttagggtggc taccattttt ttttcaatgg      180
28 gttcaactcc tactggatga tgcattgtgc agctgagcca agtgaaaggc ataaaaatttc      240
30 caatgtatct cgcgaggctg ctgctacagg gcttactgtt tgccggacat gggcattcag      300
32 cgatggtggc gatcgagctc ttcaaatgtc ccccgaggctc tatgatgaac gtgtctttca      360
34 ggcccttgat tttgtggtat cggaagcaag gaagtatgga gttcacttaa tcctgagtct      420
36 gaccaacaac tacaaggact ttggaggaa gacgcaatac gtgacgtggg ctaaaaatgc      480
38 cggagtacaa gtgaatagcg atgatgattt ttacaccaag aatgctgtca agggatatta      540
40 caagaatcac attaagaaag tgttgactag gatcaacaca atcagtagag ttgcatataa      600
42 agatgatcca acagtcattg catgggagct aataaatgaa cctcgttgcc aggtcgactt      660
44 ctccggaaaa accttaaatg cttgggttca agaaatggca acttacgtca aatcactcga      720
46 taacaaacac cttctagaaa taggcatgga gggattctac ggagattcaa tgccaggcaa      780
48 aaagcagtac aatcctggat accaagtggg cacagatttt atcaccaata atcttatcaa      840
50 agagatagat tttgcaacca ttcatgcata tcccgatatt tggctgtctg gacagagcga      900
52 cgggtgcacag atgatgttca tgagaagggt gatgaccagt cactccacag actctaagac      960
54 catacttaaa aaaccattgg ttctcgctga atttgggaaa tcaagtaaag atccaggata      1020
56 cagtttatat gccaggaggt cattcatggc cgcaatttac ggtgatattc acaggtttgc      1080
58 tagaagagga ggcattgcag gtggattggt ttggcaaato ctggccgagg gaatgcaacc      1140
60 gtacgcagat gggtatgaaa ttgtcttgct tcagaaccca tcaaccggac gaatcataag      1200
62 ccaacagtct cgacaaatga cttcactcga ccatatgagc agtaatagaa ccaattctca      1260
64 aagcaacaaa ctgcgcaatt caaaggagca gtgatcagtc ttccagaaag tctacttgag      1320
66 tttgttcgta tgtcaaaatc aagtatcaac catagaaatt tccattatat tcggagtgtt      1380
68 ttagtcaagt tctagtaata cgcgtggagt catgatagtt atgacagtaa taccgctgga      1440
70 gtcaagttct agtaataccg ttggagtcaa gttatgatag ttatttataa attagtattt      1500
72 tattacaaat ttgttattgt gtgagacttg tttattaagt aaatggaaaa gtcttatcat      1560
74 tattatcatt tgagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa      1613
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78 <211> LENGTH: 427
79 <212> TYPE: PRT
80 <213> ORGANISM: Aspergillus niger
82 <400> SEQUENCE: 2
84 Met Ala Phe Ser Arg Arg Ser Asn Ile Ser Asn Phe Ser Cys Cys Phe
85 1          5          10          15
88 Leu Val Ile Ile Val Leu Ser Leu His Cys Glu Asn His Ile Val Ser

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/850,982

DATE: 08/06/2001

TIME: 15:40:07

Input Set : A:\882565-4025.ST25.txt

Output Set: N:\CRF3\08062001\I850982.raw

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89          20          25          30
92 Ser Ser Ala Ser Arg Phe Ile Gln Thr Arg Gly Thr Arg Phe Val Leu
93          35          40          45
96 Gly Gly Tyr Pro Phe Phe Phe Asn Gly Phe Asn Ser Tyr Trp Met Met
97          50          55          60
100 His Val Ala Ala Glu Pro Ser Glu Arg His Lys Ile Ser Asn Val Phe
101 65          70          75          80
104 Arg Glu Ala Ala Ala Thr Gly Leu Thr Val Cys Arg Thr Trp Ala Phe
105          85          90          95
108 Ser Asp Gly Gly Asp Arg Ala Leu Gln Met Ser Pro Gly Val Tyr Asp
109          100          105          110
112 Glu Arg Val Phe Gln Ala Leu Asp Phe Val Val Ser Glu Ala Arg Lys
113          115          120          125
116 Tyr Gly Val His Leu Ile Leu Ser Leu Thr Asn Asn Tyr Lys Asp Phe
117          130          135          140
120 Gly Gly Arg Thr Gln Tyr Val Thr Trp Ala Lys Asn Ala Gly Val Gln
121 145          150          155          160
124 Val Asn Ser Asp Asp Asp Phe Tyr Thr Lys Asn Ala Val Lys Gly Tyr
125          165          170          175
128 Tyr Lys Asn His Ile Lys Lys Val Leu Thr Arg Ile Asn Thr Ile Ser
129          180          185          190
132 Arg Val Ala Tyr Lys Asp Asp Pro Thr Val Met Ala Trp Glu Leu Ile
133          195          200          205
136 Asn Glu Pro Arg Cys Gln Val Asp Phe Ser Gly Lys Thr Leu Asn Ala
137          210          215          220
140 Trp Val Gln Glu Met Ala Thr Tyr Val Lys Ser Leu Asp Asn Lys His
141 225          230          235          240
144 Leu Leu Glu Ile Gly Met Glu Gly Phe Tyr Gly Asp Ser Met Pro Gly
145          245          250          255
148 Lys Lys Gln Tyr Asn Pro Gly Tyr Gln Val Gly Thr Asp Phe Ile Thr
149          260          265          270
152 Asn Asn Leu Ile Lys Glu Ile Asp Phe Ala Thr Ile His Ala Tyr Pro
153          275          280          285
156 Asp Ile Trp Leu Ser Gly Gln Ser Asp Gly Ala Gln Met Met Phe Met
157          290          295          300
160 Arg Arg Trp Met Thr Ser His Ser Thr Asp Ser Lys Thr Ile Leu Lys
161 305          310          315          320
164 Lys Pro Leu Val Leu Ala Glu Phe Gly Lys Ser Ser Lys Asp Pro Gly
165          325          330          335
168 Tyr Ser Leu Tyr Ala Arg Glu Ser Phe Met Ala Ala Ile Tyr Gly Asp
169          340          345          350
172 Ile Tyr Arg Phe Ala Arg Arg Gly Gly Ile Ala Gly Gly Leu Val Trp
173          355          360          365
176 Gln Ile Leu Ala Glu Gly Met Gln Pro Tyr Ala Asp Gly Tyr Glu Ile
177          370          375          380
180 Val Leu Ser Gln Asn Pro Ser Thr Gly Arg Ile Ile Ser Gln Gln Ser
181 385          390          395          400
184 Arg Gln Met Thr Ser Leu Asp His Met Ser Ser Asn Arg Thr Asn Ser
185          405          410          415

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/850,982

DATE: 08/06/2001

TIME: 15:40:07

Input Set : A:\882565-4025.ST25.txt

Output Set: N:\CRF3\08062001\I850982.raw

188 Gln Ser Asn Lys Leu Arg Asn Ser Lys Glu Gln  
 189 420 425  
 192 <210> SEQ ID NO: 3  
 193 <211> LENGTH: 20  
 194 <212> TYPE: DNA  
 195 <213> ORGANISM: Synthetic oligonucleotide  
 197 <220> FEATURE:  
 198 <221> NAME/KEY: misc\_feature  
 199 <222> LOCATION: (3)..(3)  
 200 <223> OTHER INFORMATION: a or c or g or t/u  
 203 <220> FEATURE:  
 204 <221> NAME/KEY: misc\_feature  
 205 <222> LOCATION: (12)..(12)  
 206 <223> OTHER INFORMATION: a or c or g or t/u  
 209 <400> SEQUENCE: 3  
 W--> 210 ggñatggarg gñtityaygg 20  
 213 <210> SEQ ID NO: 4  
 214 <211> LENGTH: 15  
 215 <212> TYPE: DNA  
 216 <213> ORGANISM: Synthetic Oligonucleotide  
 218 <400> SEQUENCE: 4  
 219 tttttttttt ttttt 15  
 222 <210> SEQ ID NO: 5  
 223 <211> LENGTH: 17  
 224 <212> TYPE: DNA  
 225 <213> ORGANISM: Synthetic nucleotide  
 227 <400> SEQUENCE: 5  
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 231 <210> SEQ ID NO: 6  
 232 <211> LENGTH: 17  
 233 <212> TYPE: DNA  
 234 <213> ORGANISM: Synthetic nucleotide  
 236 <400> SEQUENCE: 6  
 237 gtaaaacgac ggccagt 17  
 240 <210> SEQ ID NO: 7  
 241 <211> LENGTH: 17  
 242 <212> TYPE: DNA  
 243 <213> ORGANISM: synthetic nucleotide  
 245 <400> SEQUENCE: 7  
 246 caggaaacag ctatgac 17  
 249 <210> SEQ ID NO: 8  
 250 <211> LENGTH: 21  
 251 <212> TYPE: PRT  
 252 <213> ORGANISM: Aspergillus niger  
 254 <220> FEATURE:  
 255 <221> NAME/KEY: MISC\_FEATURE  
 256 <222> LOCATION: (16)..(16)  
 257 <223> OTHER INFORMATION: variable  
 260 <400> SEQUENCE: 8

Invalid response for 213  
 (global error)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/850,982

DATE: 08/06/2001

TIME: 15:40:07

Input Set : A:\882565-4025.ST25.txt

Output Set: N:\CRF3\08062001\I850982.raw

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W--> 262 Ser Phe Asn Phe Val Lys Thr Arg Gly Thr Glu Phe Val Met Asp Xaa
      263 1           5           10           15
      266 Arg Phe Leu Tyr Leu
      267           20
      270 <210> SEQ ID NO: 9
      271 <211> LENGTH: 10
      272 <212> TYPE: PRT
      273 <213> ORGANISM: Aspergillus niger
      275 <400> SEQUENCE: 9
      277 Thr Trp Ala Phe Ser Asp Gly Gly Tyr Arg
      278 1           5           10
      281 <210> SEQ ID NO: 10
      282 <211> LENGTH: 17
      283 <212> TYPE: PRT
      284 <213> ORGANISM: Aspergillus niger
      286 <400> SEQUENCE: 10
      288 Glu Tyr Asn Pro Gly Tyr Gln Val Gly Thr Asp Phe Ile Ser Asn Asn
      289 1           5           10           15
      292 Arg
      296 <210> SEQ ID NO: 11
      297 <211> LENGTH: 36
      298 <212> TYPE: DNA
      299 <213> ORGANISM: Synthetic nucleotide
      301 <400> SEQUENCE: 11
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      305 <210> SEQ ID NO: 12
      306 <211> LENGTH: 40
      307 <212> TYPE: DNA
      308 <213> ORGANISM: Synthetic nucleotide
      310 <400> SEQUENCE: 12
      311 gtactctgca gactttctgg aagactgatc actgctcctt 40

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/850,982

DATE: 08/06/2001

TIME: 15:40:08

Input Set : A:\882565-4025.ST25.txt

Output Set: N:\CRF3\08062001\I850982.raw

L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8